

**Table C-20. Federal obligations for research, by agency and field of science and engineering:  
fiscal year 2000**

[Dollars in thousands]

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| Agency and subdivision                                           | Total      | Life sciences | Psychology | Physical sciences | Environmental sciences | Mathematics and computer sciences | Engineering | Social sciences | Other sciences, n.e.c. |
|------------------------------------------------------------------|------------|---------------|------------|-------------------|------------------------|-----------------------------------|-------------|-----------------|------------------------|
| Total, all agencies .....                                        | 38,470,550 | 17,964,701    | 1,626,660  | 4,787,950         | 3,328,771              | 2,205,594                         | 6,346,381   | 1,050,312       | 1,160,181              |
| Departments:                                                     |            |               |            |                   |                        |                                   |             |                 |                        |
| Department of Agriculture, total .....                           | 1,611,466  | 1,307,003     | 384        | 82,041            | 10,244                 | 13,606                            | 56,717      | 138,486         | 2,985                  |
| Agricultural Marketing Service .....                             | 4,294      | 4,294         | 0          | 0                 | 0                      | 0                                 | 0           | 0               | 0                      |
| Agricultural Research Service .....                              | 805,055    | 739,603       | 0          | 53,617            | 3,542                  | 1,047                             | 7,246       | 0               | 0                      |
| Cooperative State Research, Education, & Extension Service ..... | 535,042    | 434,752       | 0          | 18,485            | 1,082                  | 0                                 | 19,309      | 61,414          | 0                      |
| Economic Research Service .....                                  | 64,152     | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 64,152          | 0                      |
| Food Safety Inspection Service .....                             | 2,035      | 2,035         | 0          | 0                 | 0                      | 0                                 | 0           | 0               | 0                      |
| Foreign Agricultural Service .....                               | 1,422      | 1,422         | 0          | 0                 | 0                      | 0                                 | 0           | 0               | 0                      |
| Forest Service .....                                             | 191,780    | 122,677       | 384        | 9,939             | 5,620                  | 8,703                             | 30,162      | 11,310          | 2,985                  |
| Grain Inspection Packers & Stockyards Administration .....       | 720        | 720           | 0          | 0                 | 0                      | 0                                 | 0           | 0               | 0                      |
| Natural Agricultural Statistics Service .....                    | 3,856      | 0             | 0          | 0                 | 0                      | 3,856                             | 0           | 0               | 0                      |
| Rural Business-Cooperative Svc .....                             | 3,110      | 1,500         | 0          | 0                 | 0                      | 0                                 | 0           | 1,610           | 0                      |
| Department of Commerce, total .....                              | 895,916    | 165,262       | 0          | 115,047           | 309,178                | 78,836                            | 156,907     | 22,554          | 48,132                 |
| Bureau of the Census .....                                       | 4,285      | 0             | 0          | 0                 | 0                      | 4,285                             | 0           | 0               | 0                      |
| Economic Development Admin .....                                 | 576        | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 576             | 0                      |
| Nat'l Inst of Standards & Tech .....                             | 308,554    | 22,832        | 0          | 89,450            | 914                    | 53,807                            | 141,551     | 0               | 0                      |
| Nat'l Oceanic & Atmospheric Administration .....                 | 578,471    | 142,430       | 0          | 25,597            | 308,264                | 20,744                            | 11,326      | 21,978          | 48,132                 |
| National Telecommunications & Information Administration .....   | 4,030      | 0             | 0          | 0                 | 0                      | 0                                 | 4,030       | 0               | 0                      |
| Department of Defense, total .....                               | 4,920,353  | 623,034       | 66,021     | 403,870           | 335,225                | 700,416                           | 2,500,609   | 19,577          | 271,601                |
| Defense Agencies, total .....                                    | 1,899,310  | 361,462       | 22,528     | 134,775           | 30,618                 | 473,051                           | 734,927     | 19,577          | 122,372                |
| Ballistic Missile Defense Org .....                              | 104,147    | 0             | 0          | 5,472             | 0                      | 234                               | 92,372      | 0               | 6,069                  |
| Chemical and Biological Defense <sup>1</sup> .....               | 121,080    | 118,012       | 0          | 3,068             | 0                      | 0                                 | 0           | 0               | 0                      |
| Defense Adv Rsch Projects Agcy ..                                | 954,791    | 113,130       | 0          | 8,709             | 8,815                  | 393,938                           | 419,210     | 0               | 10,989                 |
| Defense Info Systems Agcy .....                                  | 1,332      | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 0               | 1,332                  |
| Defense Logistics Agency .....                                   | 8,084      | 0             | 8,084      | 0                 | 0                      | 0                                 | 0           | 0               | 0                      |
| Defense Threat Reduction Agency .....                            | 259,970    | 8,957         | 0          | 72,012            | 518                    | 32,111                            | 42,664      | 0               | 103,708                |
| Special Operations Command .....                                 | 19,494     | 783           | 0          | 0                 | 0                      | 0                                 | 18,437      | 0               | 274                    |
| TRICARE Management Activity <sup>2</sup> ..                      | 69,071     | 69,071        | 0          | 0                 | 0                      | 0                                 | 0           | 0               | 0                      |
| Washington Headquarters Svcs .....                               | 361,341    | 51,509        | 14,444     | 45,514            | 21,285                 | 46,768                            | 162,244     | 19,577          | 0                      |
| Department of the Air Force .....                                | 1,096,514  | 40,379        | 29,756     | 150,063           | 16,042                 | 77,943                            | 749,611     | 0               | 32,720                 |
| Department of the Army .....                                     | 970,870    | 135,483       | 13,737     | 61,698            | 81,403                 | 96,928                            | 465,112     | 0               | 116,509                |
| Department of the Navy .....                                     | 953,659    | 85,710        | 0          | 57,334            | 207,162                | 52,494                            | 550,959     | 0               | 0                      |
| Department of Education .....                                    | 163,546    | 15,614        | 5,175      | 0                 | 0                      | 0                                 | 10,372      | 132,385         | 0                      |
| Department of Energy .....                                       | 4,100,855  | 286,456       | 0          | 1,808,135         | 296,028                | 714,465                           | 982,395     | 0               | 13,376                 |

See explanatory information, if any, and SOURCE at end of table.

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| Agency and subdivision                                            | Total      | Life sciences | Psychology | Physical sciences | Environmental sciences | Mathematics and computer sciences | Engineering | Social sciences | Other sciences, n.e.c. |
|-------------------------------------------------------------------|------------|---------------|------------|-------------------|------------------------|-----------------------------------|-------------|-----------------|------------------------|
| Dept of Health & Human Svcs, total .....                          | 17,913,064 | 14,137,499    | 1,463,861  | 610,772           | 376,544                | 137,542                           | 385,062     | 325,235         | 476,549                |
| Admin for Children & Families .....                               | 27,343     | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 27,343          | 0                      |
| Administration on Aging .....                                     | 2,829      | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 2,829           | 0                      |
| Agency for Healthcare Research and Quality <sup>3</sup> .....     | 186,841    | 74,004        | 163        | 0                 | 0                      | 11,732                            | 0           | 45,741          | 55,201                 |
| Agency for Toxic Substances Disease & Registry <sup>4</sup> ..... | 14,675     | 0             | 0          | 0                 | 14,675                 | 0                                 | 0           | 0               | 0                      |
| Centers for Disease Control & Prevention .....                    | 505,022    | 505,022       | 0          | 0                 | 0                      | 0                                 | 0           | 0               | 0                      |
| Food & Drug Administration .....                                  | 144,238    | 144,238       | 0          | 0                 | 0                      | 0                                 | 0           | 0               | 0                      |
| Health Care Financing Admin .....                                 | 61,482     | 61,482        | 0          | 0                 | 0                      | 0                                 | 0           | 0               | 0                      |
| Health Resources & Services Administration .....                  | 35,615     | 35,615        | 0          | 0                 | 0                      | 0                                 | 0           | 0               | 0                      |
| National Institutes of Health <sup>5</sup> .....                  | 16,918,319 | 13,317,138    | 1,463,698  | 610,772           | 361,869                | 125,810                           | 385,062     | 232,622         | 421,348                |
| Office of the Secretary, total .....                              | 16,700     | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 16,700          | 0                      |
| Office of the Asst Secretary, Planning & Evaluation .....         | 16,700     | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 16,700          | 0                      |
| Dept of Housing & Urban Development .....                         | 15,468     | 0             | 0          | 0                 | 60                     | 21                                | 1,305       | 13,032          | 1,050                  |
| Department of the Interior, total .....                           | 548,464    | 133,495       | 18         | 18                | 378,591                | 4,809                             | 11,114      | 20,341          | 78                     |
| Bureau of Reclamation .....                                       | 7,386      | 0             | 0          | 0                 | 2,189                  | 0                                 | 5,037       | 160             | 0                      |
| Geological Survey .....                                           | 477,143    | 127,819       | 0          | 0                 | 344,412                | 3,178                             | 867         | 867             | 0                      |
| Minerals Management Service .....                                 | 29,213     | 290           | 18         | 18                | 21,811                 | 30                                | 5,210       | 1,836           | 0                      |
| National Park Service .....                                       | 34,722     | 5,386         | 0          | 0                 | 10,179                 | 1,601                             | 0           | 17,478          | 78                     |
| Department of Justice, total .....                                | 49,579     | 0             | 500        | 0                 | 0                      | 500                               | 0           | 38,279          | 10,300                 |
| Bureau of Prisons .....                                           | 3,433      | 0             | 500        | 0                 | 0                      | 500                               | 0           | 2,433           | 0                      |
| Office of Justice Programs .....                                  | 46,146     | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 35,846          | 10,300                 |
| Department of Labor, total .....                                  | 46,135     | 0             | 0          | 0                 | 0                      | 643                               | 250         | 45,242          | 0                      |
| Bureau of Labor Statistics .....                                  | 12,300     | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 12,300          | 0                      |
| Employment & Training Admin .....                                 | 24,985     | 0             | 0          | 0                 | 0                      | 464                               | 250         | 24,271          | 0                      |
| Occupational Safety & Hlth Admin .....                            | 5,790      | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 5,790           | 0                      |
| Office of the Secretary .....                                     | 279        | 0             | 0          | 0                 | 0                      | 179                               | 0           | 100             | 0                      |
| Pension & Welfare Benefits Admin .....                            | 2,726      | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 2,726           | 0                      |
| Pension Benefit Guaranty Corp .....                               | 55         | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 55              | 0                      |
| Department of State <sup>6</sup> .....                            | 1,521      | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 1,521           | 0                      |
| Department of Transportation, total .....                         | 344,418    | 9,691         | 26,230     | 39,352            | 22,977                 | 12,455                            | 185,871     | 11,590          | 36,252                 |
| Coast Guard .....                                                 | 4,999      | 0             | 859        | 0                 | 600                    | 1,100                             | 2,440       | 0               | 0                      |
| Federal Aviation Administration .....                             | 164,420    | 4,843         | 24,942     | 38,149            | 19,139                 | 2,329                             | 58,789      | 0               | 16,229                 |
| Federal Highway Administration .....                              | 92,865     | 225           | 0          | 1,203             | 3,138                  | 2,027                             | 62,179      | 6,433           | 17,660                 |
| Federal Motor Carrier Safety Administration <sup>7</sup> .....    | 2,833      | 72            | 429        | 0                 | 0                      | 0                                 | 128         | 100             | 2,104                  |
| Federal Railroad Administration .....                             | 24,211     | 0             | 0          | 0                 | 0                      | 125                               | 24,086      | 0               | 0                      |
| National Highway Traffic Safety Administration .....              | 50,569     | 4,551         | 0          | 0                 | 0                      | 6,574                             | 34,387      | 5,057           | 0                      |
| Research & Special Programs Administration .....                  | 4,521      | 0             | 0          | 0                 | 100                    | 300                               | 3,862       | 0               | 259                    |
| Department of the Treasury, total .....                           | 51,166     | 0             | 961        | 2,653             | 0                      | 0                                 | 0           | 47,552          | 0                      |
| Bureau of Engraving & Printing .....                              | 2,653      | 0             | 0          | 2,653             | 0                      | 0                                 | 0           | 0               | 0                      |
| Internal Revenue Service .....                                    | 47,424     | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 47,424          | 0                      |
| Office of Thrift Supervision .....                                | 128        | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 128             | 0                      |
| United States Secret Service .....                                | 961        | 0             | 961        | 0                 | 0                      | 0                                 | 0           | 0               | 0                      |
| Department of Veterans Affairs .....                              | 334,640    | 261,981       | 53,884     | 0                 | 0                      | 0                                 | 18,775      | 0               | 0                      |

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|---------------------------------------------------------------------|-----------|---------------|------------|-------------------|------------------------|-----------------------------------|-------------|-----------------|------------------------|
| <b>Other agencies:</b>                                              |           |               |            |                   |                        |                                   |             |                 |                        |
| Appalachian Regional Commission .....                               | 625       | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 625             | 0                      |
| Broadcasting Board of Governors <sup>8</sup> .....                  | 84        | 0             | 0          | 0                 | 0                      | 0                                 | 84          | 0               | 0                      |
| Environmental Protection Agency <sup>4</sup> .....                  | 410,658   | 176,346       | 0          | 12,211            | 123,148                | 10,518                            | 47,596      | 3,612           | 37,227                 |
| Federal Communications Commission ..                                | 2,789     | 0             | 0          | 175               | 0                      | 78                                | 382         | 2,154           | 0                      |
| Federal Trade Commission .....                                      | 674       | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 674             | 0                      |
| <b>International Development Cooperation</b>                        |           |               |            |                   |                        |                                   |             |                 |                        |
| Agency, total .....                                                 | 189,238   | 117,505       | 0          | 0                 | 4,237                  | 0                                 | 0           | 66,841          | 655                    |
| Agency for International Development <sup>9</sup> .....             | 189,238   | 117,505       | 0          | 0                 | 4,237                  | 0                                 | 0           | 66,841          | 655                    |
| Library of Congress .....                                           | 601       | 0             | 0          | 601               | 0                      | 0                                 | 0           | 0               | 0                      |
| <b>National Aeronautics &amp; Space Administration<sup>10</sup></b> |           |               |            |                   |                        |                                   |             |                 |                        |
| National Archives & Records Admin .....                             | 3,963,975 | 240,261       | 4,370      | 1,134,654         | 1,001,416              | 65,557                            | 1,443,851   | 977             | 72,889                 |
| National Science Foundation .....                                   | 120       | 0             | 0          | 120               | 0                      | 0                                 | 0           | 0               | 0                      |
| Nuclear Regulatory Commission .....                                 | 2,725,512 | 452,800       | 5,256      | 536,586           | 467,427                | 466,148                           | 492,091     | 116,857         | 188,347                |
| Smithsonian Institution .....                                       | 53,000    | 0             | 0          | 0                 | 0                      | 0                                 | 53,000      | 0               | 0                      |
| Social Security Administration .....                                | 98,000    | 37,754        | 0          | 41,715            | 3,696                  | 0                                 | 0           | 14,095          | 740                    |
|                                                                     | 28,683    | 0             | 0          | 0                 | 0                      | 0                                 | 0           | 28,683          | 0                      |

<sup>1</sup> Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

<sup>2</sup> TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

<sup>3</sup> The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

<sup>4</sup> Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

<sup>5</sup> Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

<sup>6</sup> Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

<sup>7</sup> The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

<sup>8</sup> The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

<sup>9</sup> Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

<sup>10</sup> Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

**KEY:** n.e.c. = Not elsewhere classified

**NOTE:** Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

**SOURCE:** National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002